

Swarup Srinivasan

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GitHub: swarupsrini, **Portfolio:** swarupsrini.tech

EDUCATION

University of Toronto, Honors Bachelor of Science
Computer Science Co-op, Entrepreneurship Stream, 4th year
CGPA: **3.88** / 4.0 – Dean's List of Academic Excellence

Sep 2018 – Apr 2022 (Expected)

World topper of Computer Science, Cambridge International A levels

SKILLS

- **Languages:** Python, Java, C++, C, HTML, CSS, JavaScript, SQL
- **Frameworks:** React, React Native, Flutter, Spring Boot, Pandas, Spark TensorFlow, Keras, scikit-learn
- **Concepts:** REST APIs, multithreading, Agile methods (SCRUM, Test Driven Development), CI/CD
- **Tools:** Git, Jira, Microsoft Azure Cloud, Figma

EXPERIENCE

Machine Learning Engineer
University of Toronto, Business Intelligence

Jan 2020 – Apr 2020

- Led development of tool to classify job specs with **86%** accuracy using natural language processing to build machine learning models with TensorFlow, Python on Azure Cloud distributed systems
- Reduced REST API deployment time by **67%** by researching issues in Docker, Kubernetes pipeline
- Presented report interface built with HTML, CSS, JavaScript to team of **7** non-technical HR managers
- Decreased MySQL query time by **15 minutes** by creating module automate query generation

Full-Stack Developer

Jan 2020 – Jun 2020

Google Developer Student Club – ([GitHub](#))

- Increased internet resource accessibility by **10%**, by creating a cross-platform mobile app in a team of 4 to provide offline access to resources such as local food banks and homeless shelters, using SMS
- Technology: Flutter

PROJECTS

Virtual Queue Manager – ([Website](#), [GitHub](#))

Jun 2020 – Present

- Website to manage store queues with features including intelligent store searching, store analytics tracking, real-time queue status monitoring, QR code validation
- Technology: MongoDB, Express, React, Node.js, Google Maps API

Building Escape – ([GitHub](#))

Jun 2020 – Present

- Escape room style game with ray-casting 'grabbing' system for players to interact with the environment
- Technology: C++, Unreal Engine, Blueprints

Style Matcher – ([GitHub](#))

Feb 2020 – Feb 2020

- Website that suggests clothing by "matching" user wardrobe to catalog, reduces shopping time by 90%
- Technology: React, Python, Flask, Google Computer Vision API, Figma

Music Player API – ([GitHub](#))

Feb 2020 – Feb 2020

- REST API for a music player using microservices to friend/follow users, like songs, and create playlists
- Technology: Java, Spring Boot, Neo4j

Secure File Transfer System – ([GitHub](#))

May 2019 – Aug 2019

- Secures file transfers from server to clients. Handles concurrent requests with 0% time degradation
- Technology: C, sockets, I/O multiplexing, UNIX